

Message Text

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ORIGIN SY-05

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FM SECSTATE WASHDC
TO AMEMBASSY ABIDJAN

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FOR TSO

E.O. 11652: N/A

TAGS: ASEC

SUBJECT: X-RAY

REF: ABIDJAN 3513

1. RADIATION LEAKAGE MEASUREMENT SHOULD HAVE SURVEY
METER WITH RANGE OF NOT MORE THAN 3 MR/HR FOR FULL
SCALE.

2. LOWEST SCALE RANGE ON EBERLINE RAD OWL IS 0 TO 5
MR/HR. RAD OWL IS NOT IDEAL FOR RADIATION LEAKAGE
MEASUREMENT BUT CAN BE USED. UNABLE TO LOCATE IN STOCK
OR FIND ANY LITERATURE ON ATOMICS MODEL 700 SURVEY
METER.

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3. THE FOLLOWING IS RECOMMENDED PROCEDURE FOR PERFORMING
RADIATION LEAKAGE MEASUREMENT.

A. APPLY POWER TO THE SYSTEM AND ALLOW THE EQUIPMENT
TO WARM UP.

B. PLACE A SCATTER BLOCK WITHIN THE VIEWING AREA INSIDE

THE SPECIMEN DRAWER. THE SCATTER BLOCK MAY CONSIST OF

APPROXIMATELY 12 WRITING TABLETS OR A WOODEN BLOCK
APPROXIMATELY 4" X 4" X 8".

C. INITIATE X-RADIATION AND SLOWLY INCREASE THE
"BRIGHTNESS" CONTROL FULLY CLOCKWISE (CW).

D. OBSERVE THAT THE X-RAY TUBE CURRENT METER IS
INDICATING 5 MA.

E. USING A SURVEY METER, SURVEY THE ENTIRE EXTERNAL
SURFACE OF THE SYSTEM AT A DISTANCE OF 5 CM (2 INCHES).

F. OBSERVE THAT THE RADIATION LEVEL IS BELOW 0.5 MR/HR.

4. IN THE EVENT OF A RADIATION LEAKAGE LEVEL IN EXCESS
OF 0.5 MR/HR., IMMEDIATELY CEASE X-RADIATION AND
DETERMINE CAUSE OF EXCESSIVE READING. THE SYSTEM
MUST NOT BE OPERATED WITH LEAKAGE LEVELS IN EXCESS
OF 0.5 MR/HR.

VANCE

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Message Attributes

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Sent Date: 15-Apr-1977 12:00:00 am
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Decaption Note:
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Disposition Approved on Date:
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